How To Start Jupyter Notebooks

Introduction:

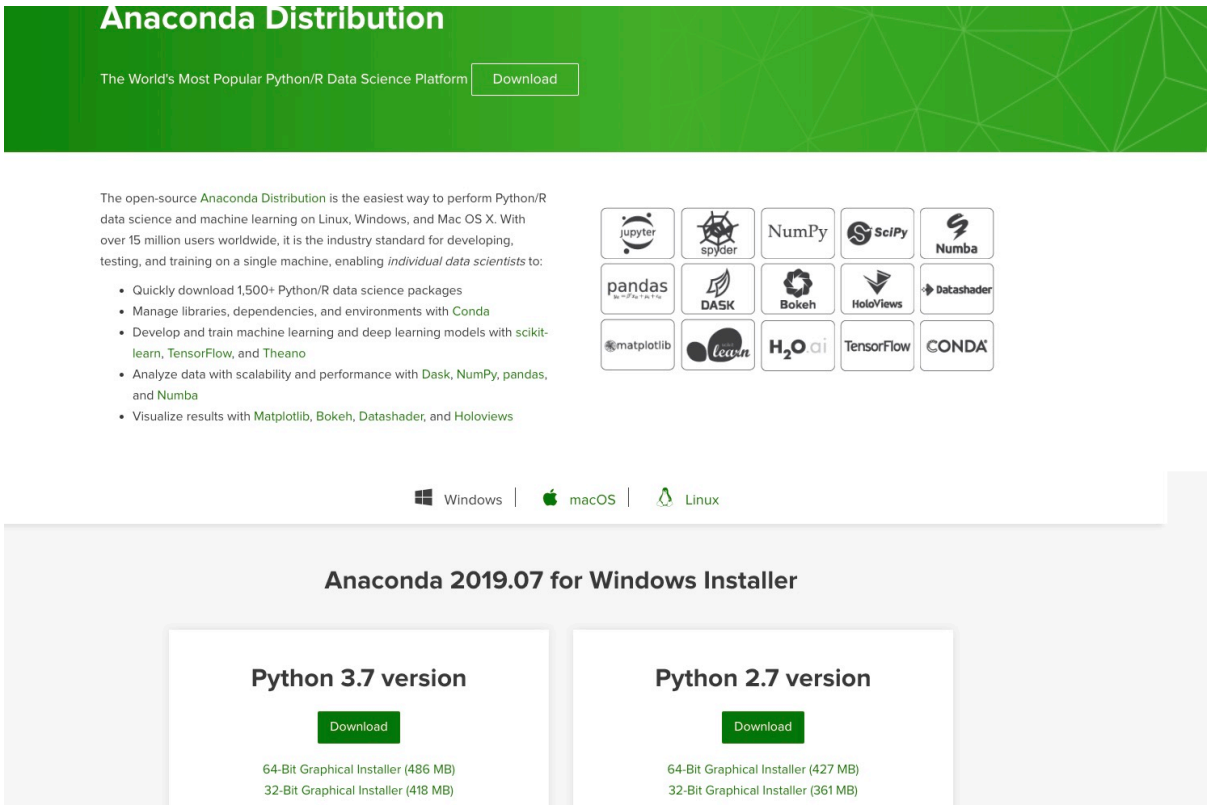
Jupyter notebook is a web application which facilitates creating and sharing documents containing live code. Rather than writing or rewriting an entire program, you can write line of code and run them one at a time. Then, if you need to make a change, you can go back and make your edit and rerun the program again, all in the same window.

Installing Jupyter Notebook using Anaconda and Conda

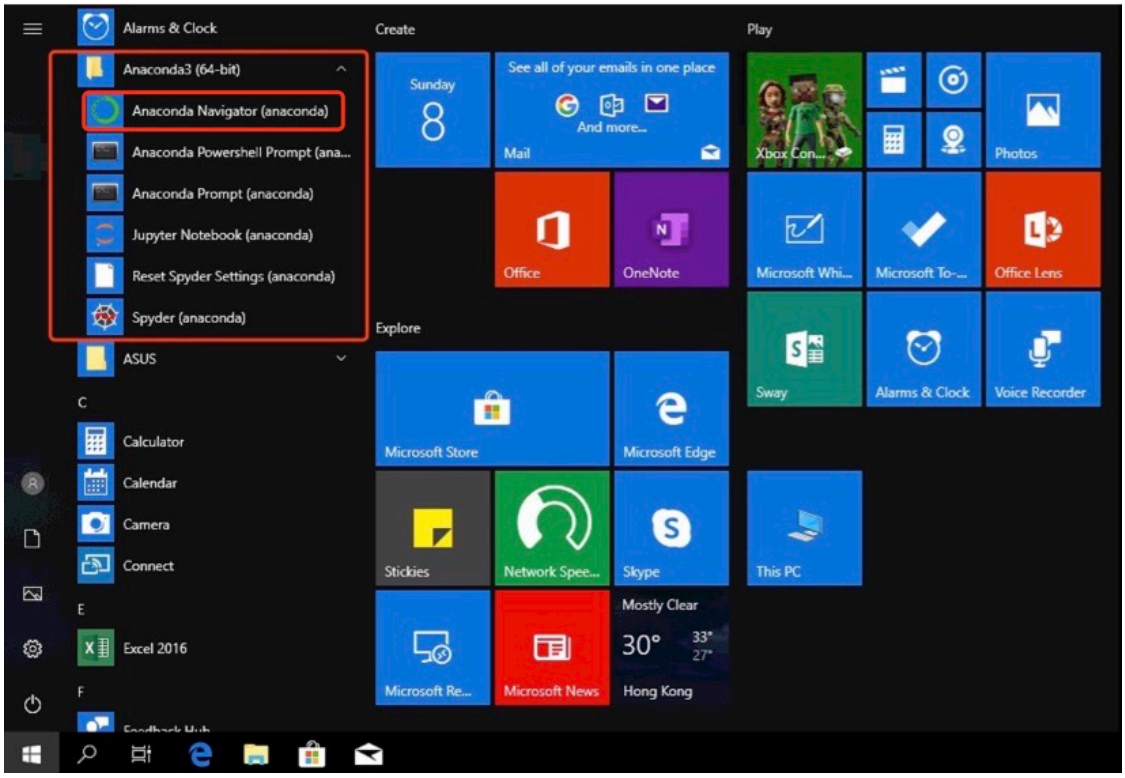
For new users, we highly recommend installing Anaconda. Anaconda conveniently installs Python, the Jupyter Notebook, and other commonly used packages for scientific computing and data science.

Use the following installation steps:

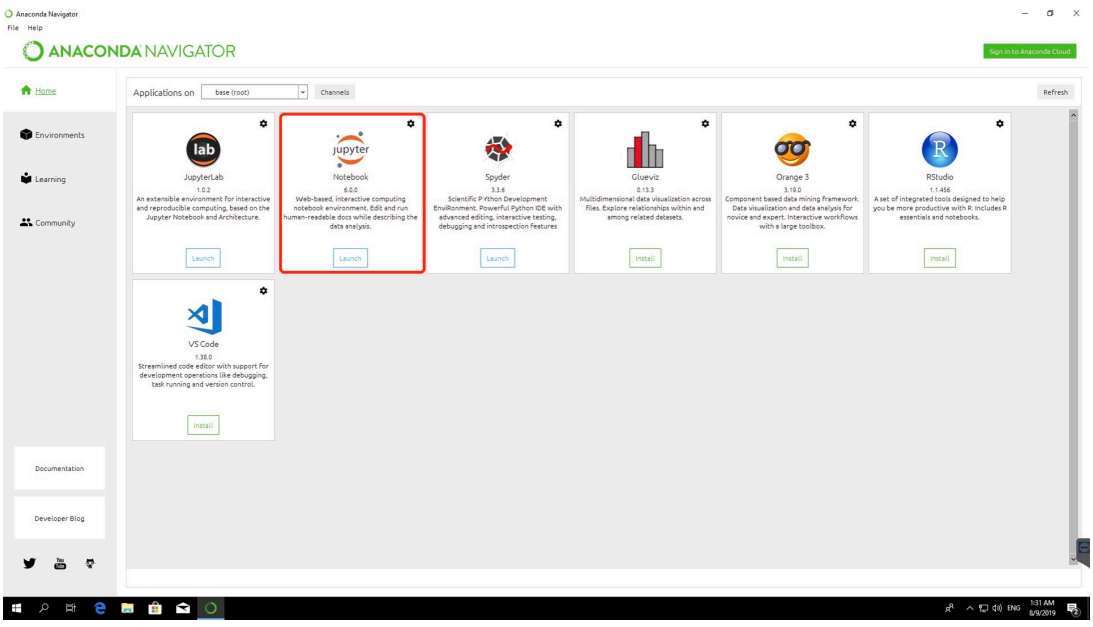
- Download Anaconda. We recommend downloading Anaconda's latest Python 3 version (currently Python 3.7).
  URL: *https://www.anaconda.com/distribution/*



- Install the version of Anaconda which you downloaded, following the instructions on the download page.
- After you have installed the Jupyter Notebook on your computer, there are two methods (we provide here) you are able to run the notebook server.
  Method 1:
  - Click ***Anacoda Navigator (anaconda)*** in the start menu (Windows):

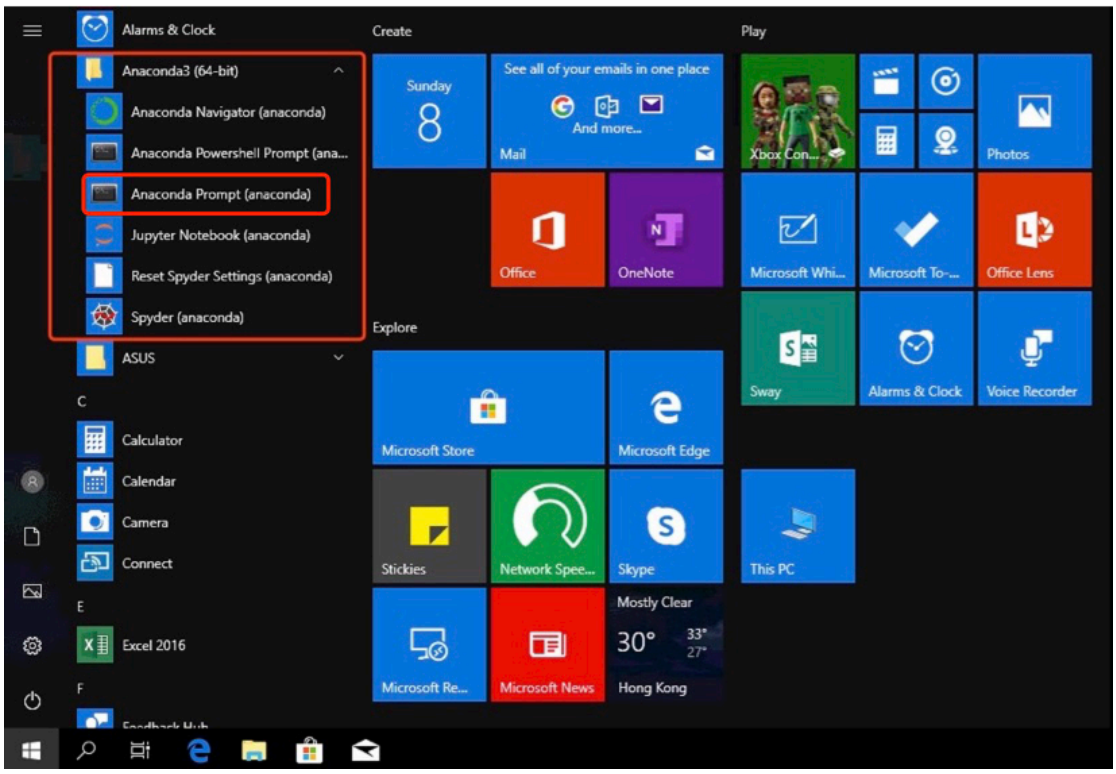


  - Run a notebook by clicking ***launch*** button. A browser window should immediately pop up with the Jupyter Notebook interface.



Method 2:

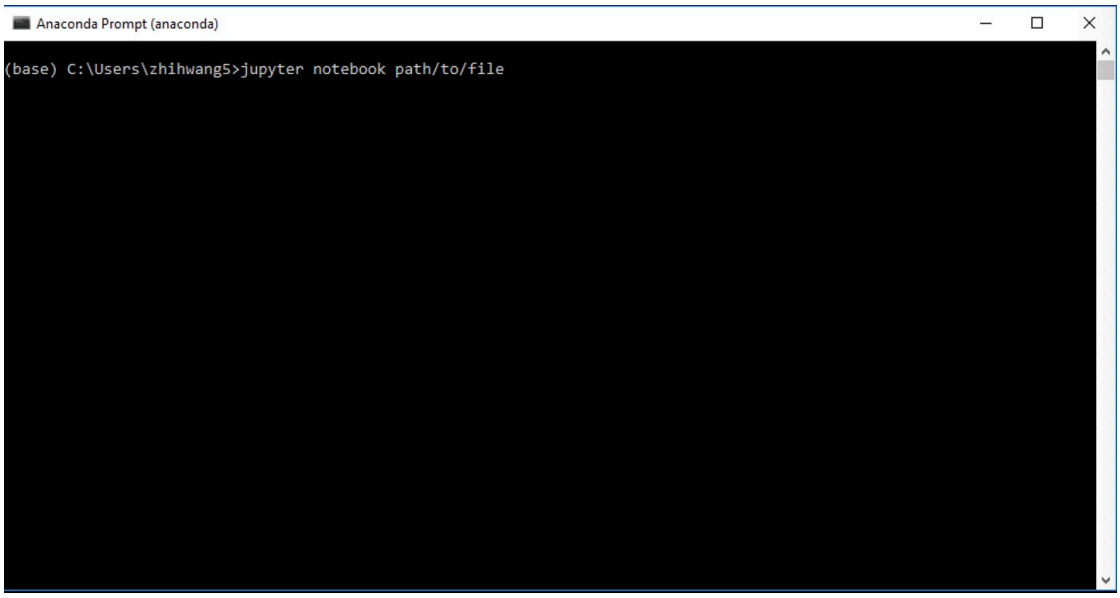
- Click the ***Anaconda Prompt (anaconda)*** in the start menu (Windows):



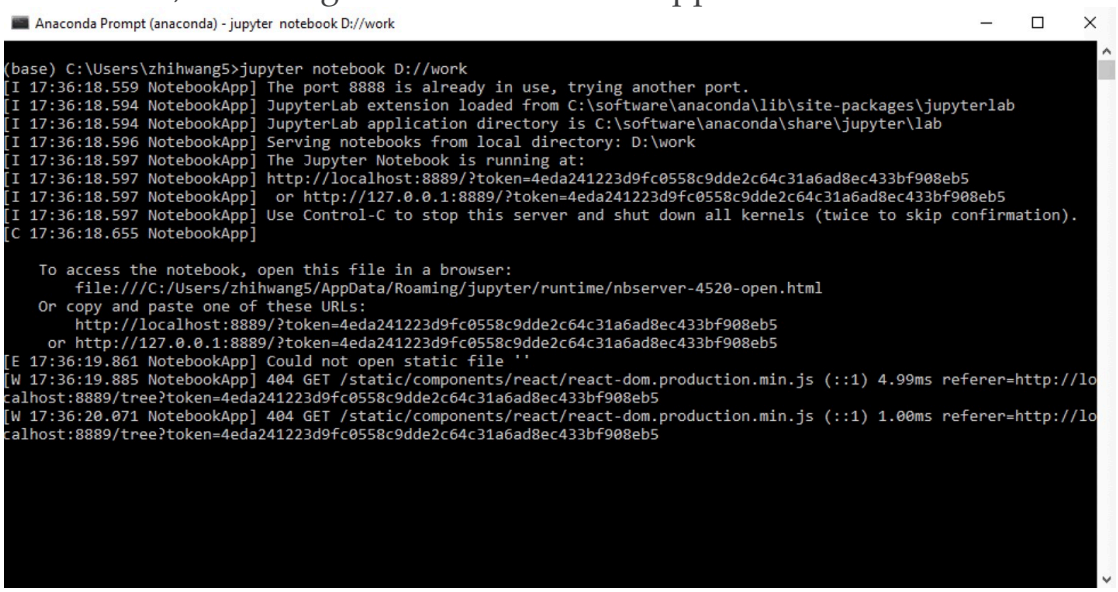
- Start the Jupyter Notebook server from the command line by running:

  jupyter notebook path/to/file

  for example, if you place your targeted file in the folder - *"D://work"*, you can set path/to/file to *D://work*. Therefore the command will be: *jupyter notebook D://work*.

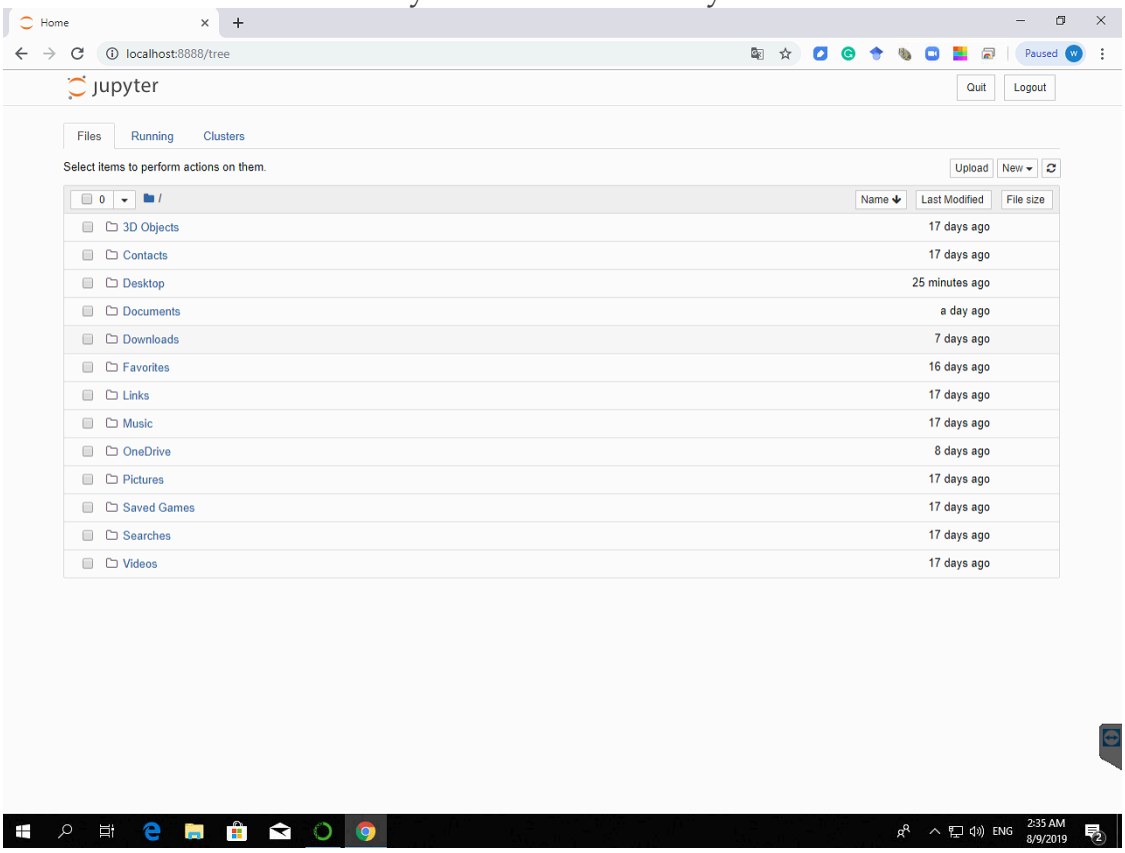


Some information about the notebook server will be printed in your terminal, including the URL of the web application.



- A default web browser to this URL will be opened at the same time.

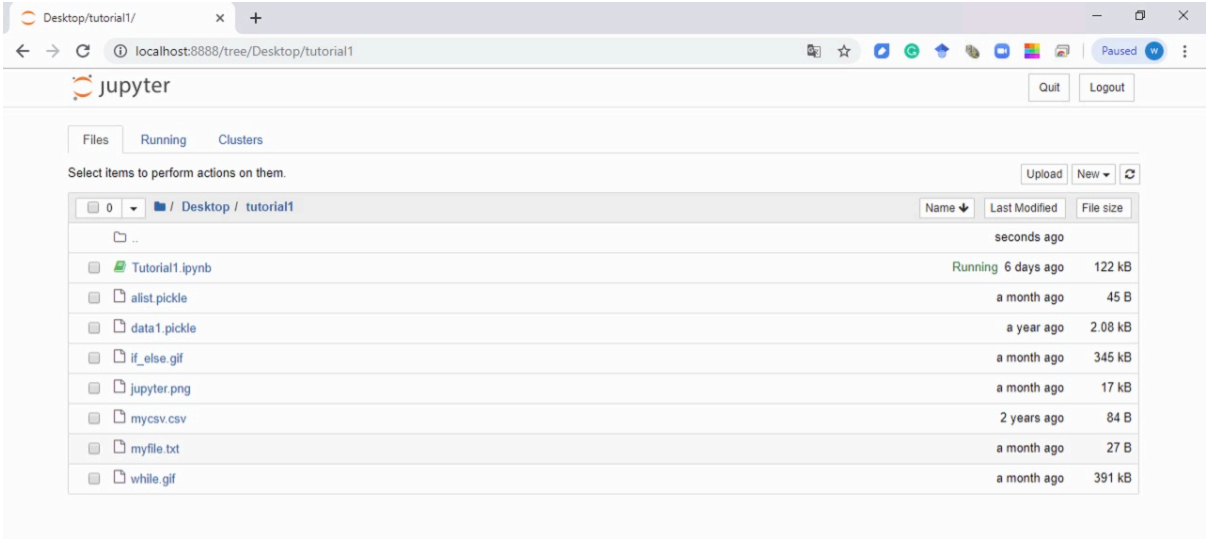
When the notebook opens in your browser, you will see the ***Notebook Dashboard***, which will show a list ***of the notebooks, files, and subdirectories*** in the directory where the notebook server was started. Most of the time, you will wish to start a notebook server in the highest level directory containing notebooks. Often this will be your home directory.



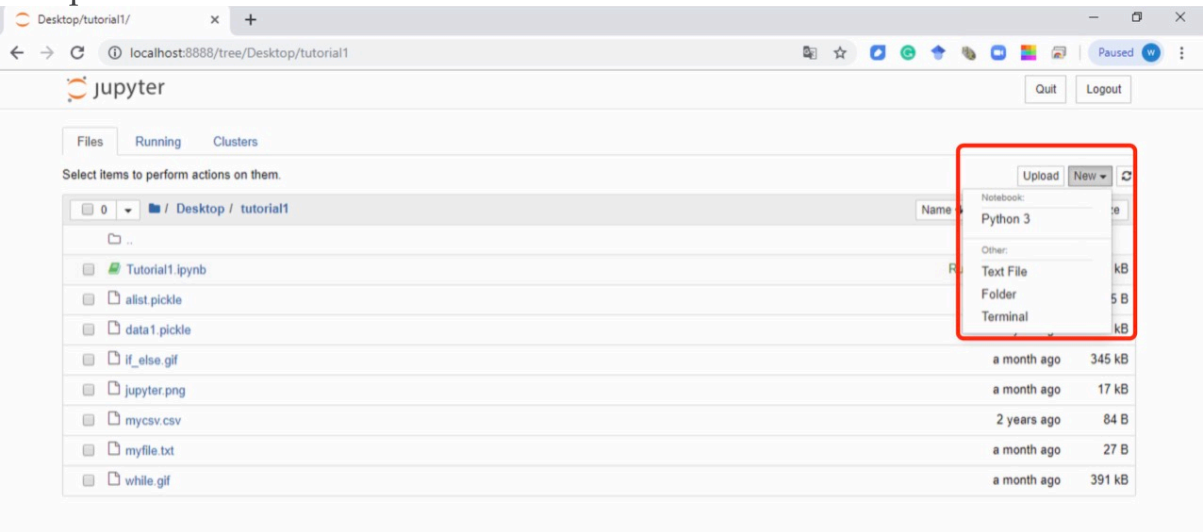
Note: If you are an experienced Python users, you can install Jupyter with pip, please refer to: *Installing Jupyter Notebook — Jupyter Documentation 4.1.1 alpha documentation (https://jupyter.readthedocs.io/en/latest/install.html#id4, 08.09.2019).*

Jupyter Notebook Dashboard

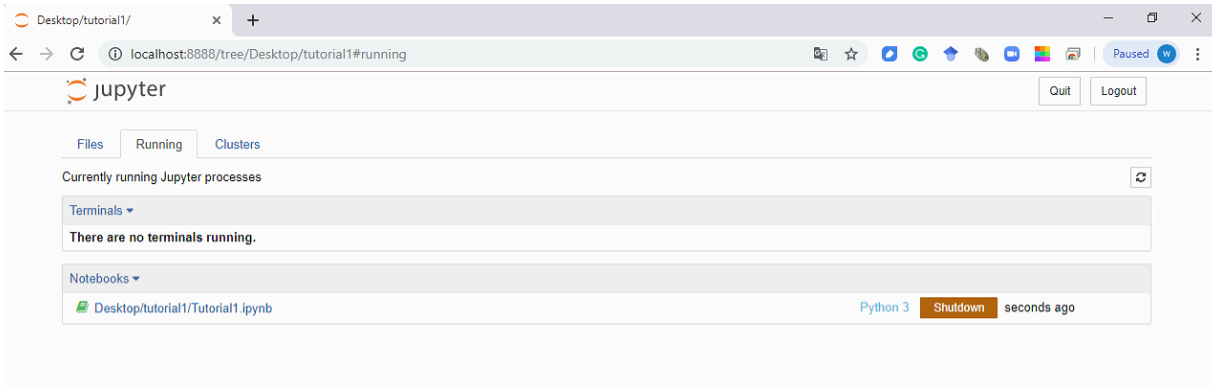
If you succeed in launching a Jupyter Notebook Dashboard, all the files in your current directory will be listed by the notebook icon next to their name. Find Jupyter Notebook file you want to view in your files list and click it to view.



To create a new notebook, you can click ***New*** and select ***Notebook*** - Python 3. To use other Jupyter Notebooks on your system, click ***Upload*** and navigate to that particular file.



Currently running Notebooks will have a ***green icon***, while non-running ones will be ***grey***. If you want to find current status of all notebooks, you can click on the Running tab to see a list.


Desktop/tutorial1/
localhost:8888/tree/Desktop/tutorial1#running
Paused
jupyter
Quit
Logout
Files
Running
Clusters
Currently running Jupyter processes
Terminals
There are no terminals running.
Notebooks
Desktop/tutorial1/Tutorial1.ipynb
Python 3
Shutdown
seconds ago